|     |   |              |                  |            |            |           |          |          |       |                    |           |                        |          | Apr        | Application/Control No. |            |           |        |       |          |           |                         |          | Applicant(s)/Patent under Reexamination |          |          |                 |           |              |           |                 |                |           |   |   |   |
|-----|---|--------------|------------------|------------|------------|-----------|----------|----------|-------|--------------------|-----------|------------------------|----------|------------|-------------------------|------------|-----------|--------|-------|----------|-----------|-------------------------|----------|---|----------|----------|-----------------|-----------|--------------|-----------|-----------------|----------------|-----------|---|---|---|
|     |   |              |                  |            |            |           |          |          |       |                    |           |                        |          | 40/704 400 |                         |            |           |        |       |          |           |                         |          |   |          |          |                 |           |              |           |                 |                |           |   |   |   |
|     |   |              |                  |            |            |           |          |          |       |                    | H         | 10/784,189<br>Examiner |          |            |                         |            |           |        |       |          |           | KAWAI, HIROAKI Art Unit |          |   |          |          |                 |           |              |           | ٦               |                |           |   |   |   |
|     |   |              |                  |            |            |           |          |          |       |                    |           |                        |          | i i        |                         |            |           |        |       |          |           |                         |          |   |          |          |                 |           |              |           |                 |                |           |   |   |   |
|     |   |              | 118618           |            | -211       |           |          |          |       |                    |           |                        |          |            |                         | Ш          | D. I. Lee |        |       |          |           |                         |          |   |          |          | 2876            |           |              |           |                 |                |           |   |   | 4 |
| ä:  | œ |              |                  | √ Rejected |            |           |          |          |       | Γ                  |           | (Through numer         |          |            |                         | ral        | al)       | 7      | Γ     |          |           | <b>.</b>                | 46-4     |   | П        |          | Appeal          |           |              |           |                 |                |           |   |   |   |
|     |   | •            |                  | 1          | / Rejected |           |          |          |       | L                  |           | Cancelled              |          |            |                         |            |           | N      | N     | Non-El   |           | ted                     |          |   |          |          |                 |           |              |           |                 |                |           |   |   |   |
|     |   |              |                  |            | = Allo     |           |          | wed      |       | +                  |           | R                      | esti     | rict       | be                      |            |           |        | 1     | Ir       | Interfe   |                         | nce      | 1                                       | 0        |          | Objected        |           |              |           |                 |                |           |   |   |   |
|     |   |              |                  |            |            |           |          | ٦        |       | L                  | <u></u>   |                        |          |            |                         |            |           | j      | L_    |          |           |                         |          |   | Ш        |          |                 |           |              |           |                 |                |           |   |   |   |
|     | ĺ | Cla          | im               | Ц          | Date       |           |          |          |       | _                  | $\Box$    | Claim                  |          |            | _                       | _          | Dat       | ė      |       |          | $\exists$ | Claim                   |          | Ц                                       | Date     |          |                 |           |              | _         | $\exists$       |                |           |   |   |   |
|     |   | क            | nal              | မြွ        | ١          |           |          |          |       |                    |           | ह                      | 1 0 0    |            | ļ                       | 1          |           |        |       | IJ       | ł         |                         | Final    | Original                                |          |          |                 |           | ١            |           |                 |                | 1         |   |   |   |
|     |   | Final        | Original         | 8/8/05     | ١          |           | ١        |          |       |                    |           | Final                  | Original | <b>?</b>   |                         |            | ١         | 1      |       |          | ı         |                         | ᇤ        | Onig                                    |          |          |                 | ١         | 1            |           |                 |                |           |   |   |   |
|     |   |              | (1)              | 7          | $\dashv$   | $\pm$     | $\pm$    | $\pm$    | $\pm$ |                    | Н         |                        | 5        | 士          | 1                       | 土          | 土         | 士      | 上     | 目        | $\exists$ | Ⅎ                       |          | 101                                     |          |          | 丰               | #         | $\downarrow$ | $\exists$ | コ               | $\downarrow$   | ╛         |   |   |   |
|     |   |              | 3                | 7          |            | 4         | +        | 4        | +     | 1                  | Н         | $\vdash$               | 5:<br>5: |            | +                       | ╀          | ╁         | ╀      | ╀     | Н        | $\dashv$  | ┨                       | $\vdash$ | 102<br>103                              | $\vdash$ | Н        | +               | $\dashv$  | ╁            | +         | $\dashv$        | $\dashv$       | $\dashv$  |   |   |   |
|     |   | 14           | (4)              | 1          |            |           | $\pm$    | 土        | $\pm$ | $\pm$              | 口         |                        | 5        | 4          | 士                       | 1          | 1         | 丰      |       |          |           | ゴ                       |          | 104                                     |          |          | #               | 1         | 1            | $\dashv$  | 7               | 7              | ゴ         |   |   |   |
|     |   |              | ( <u>5)</u><br>6 | П          | $\dashv$   | $\dashv$  | +        | +-       | +     | ╀                  | $\vdash$  | $\vdash$               | 5        |            | +                       | +          | +         | ╀      | ╁     | Н        | $\dashv$  | $\dashv$                | -        | 105<br>106                              | $\vdash$ | Н        | +               | +         | +            | $\dashv$  | ┪               | +              | ┨         |   |   |   |
| ·   | - |              | 7                | Ħ          |            | $\pm$     | $\pm$    | #        | 丰     | 1                  | 口         |                        | 5        | 7          | #                       | #          | 1         | ļ      |       | П        |           | コ                       |          | 107                                     |          | $\Box$   | #               | 4         | 4            | $\exists$ | 7               | 1              | 4         |   |   |   |
|     |   |              | 8                | Н          | $\dashv$   | +         | +        | +        | ┿     | ╁                  | Н         | $\vdash$               | 5        |            | +                       | +          | ╫         | ╁      | ╁     | Н        | $\dashv$  | $\dashv$                | -        | 108<br>109                              | Н        | Н        | +               | +         | +            | $\dashv$  | 7               | $\pm$          | Ⅎ         |   |   |   |
|     |   |              | 10               |            |            | #         | 丰        | 1        | 1     | İ                  | 口         |                        | 6        | 0 [        | 1                       | 1          | Ţ         | Ŧ      | F     |          |           | $\exists$               |          | 110                                     |          | $\Box$   | $\dashv$        | $\dashv$  | 4            | $\dashv$  | $\dashv$        | 4              | 7         |   |   |   |
|     |   | <del> </del> | 11               | Н          | $\dashv$   | +         | +        | ╁        | +     | ╁                  | H         | $\vdash$               | 6        |            | +                       | +          | ╁         | ╁      | ╁     | Н        | $\dashv$  | -                       |          | 111<br>112                              | $\vdash$ |          | $\pm$           | 1         | 1            | $\exists$ | $\exists$       | $\pm$          | Ⅎ         |   |   |   |
| ď:  | ø | 300          | 13               |            |            | 7         | 1        | 1        | 1     | T                  | 口         |                        | 6        | 3          |                         | <i>,</i> ; | 7         | Ŧ      | F     | $\Box$   |           | 7                       |          | 113<br>114                              | L        | Н        | $\dashv$        | 4         | 4            | 4         | 4               | 4              | $\exists$ | • |   |   |
|     |   | <del> </del> | 14<br>15         | Н          | $\dashv$   | +         | +        | +        | ┿     | 十                  | Н         | -                      | 6        |            | +                       | +          | +         | L      | $\pm$ | $\vdash$ |           | _                       |          | 115                                     | t        |          | $\perp$         | ╛         | 士            |           |                 | $\pm$          | $\exists$ |   |   |   |
|     |   |              | 16               |            |            | 耳         | 7        | 7        | Ţ     | T                  | $\Box$    |                        | 6        |            | $\top$                  | 7          | 1         | $\bot$ | -     |          | $\dashv$  | 7                       |          | 116<br>117                              | $\vdash$ | Н        | $\dashv$        | $\dashv$  |              | -         | $\dashv$        | $\dashv$       | $\dashv$  |   |   |   |
|     |   | ├            | 17               | Н          | Н          | +         | ╅        | +        | +     | $\pm$              | H         |                        | 6        | В          | $\pm$                   | 士          | 土         | 士      | t     |          |           |                         |          | 118                                     |          |          |                 | コ         |              |           |                 | 士              | コ         |   |   |   |
|     |   |              | 19<br>20         | П          |            | 7         | $\perp$  | Ŧ        | Ŧ     | $oldsymbol{\perp}$ | $\Box$    |                        | 6<br>  7 |            | 4                       | 7          | 4         | +      | F     | $\vdash$ | Н         | -                       | -        | 119                                     |          | $\vdash$ | +               | +         | $\dashv$     | $\dashv$  | $\dashv$        | +              | $\dashv$  |   |   |   |
|     |   | <del> </del> | 21               | Н          |            | $\pm$     | $\pm$    | 土        | $\pm$ | $\pm$              | 目         |                        | 7        | 1          | 1                       | 1          | 土         |        | İ     |          | Ħ         |                         |          | 121                                     |          |          | $\Box$          |           |              | ╛         | $\Box$          | $\downarrow$   | ╛         |   |   |   |
|     |   |              | 22<br>23         |            | $\Box$     | $\dashv$  | 4        | +        | +     | +                  | $\dashv$  | -                      | 7        | 2          | +                       | +          | +         | ╀      | ╀     | $\vdash$ | Н         | $\dashv$                | $\vdash$ | 122<br>123                              |          | Н        | $\dashv$        | $\dashv$  | $\dashv$     | ᅱ         | $\dashv$        | $\dashv$       | ᅱ         |   |   |   |
|     | : |              | 24               |            |            |           | 1        | 1        |       | 土                  | 口         |                        | 7        | 4          | #                       | #          | #         | 1      | 丰     |          |           |                         |          | 124                                     |          | П        | $\Box$          |           | 7            | $\Box$    |                 | $\dashv$       | $\exists$ |   |   |   |
|     |   |              | 25<br>26         | $\vdash$   | Н          | +         | +        | +        | +     | +                  | $\vdash$  | $\vdash$               | 7        | 5<br>6     | +                       | +          | ╫         | ╁      | ╀     | -        | Н         | $\dashv$                | -        | 125<br>126                              | ╁        | Н        | $\dashv$        | $\dashv$  | $\dashv$     | ᅥ         | $\dashv$        | $\dashv$       | $\dashv$  |   |   |   |
|     |   |              | 27               |            |            | ゴ         | #        | #        | 1     | #                  |           |                        | 7        | 7          | #                       | 1          | 1         | I      | 1     | L        | П         |                         |          | 127                                     | Т        | П        | $\Box$          | $\Box$    | $\Box$       | $\exists$ |                 |                | $\exists$ |   |   |   |
|     |   |              | 28<br>29         | Н          | Н          | $\dashv$  | +        | +        | +     | ┿                  | ╂╼┨       | -                      | 7        | 8<br>9     | +                       | ╁          | +         | ╁      | ╁     | $\vdash$ | Н         | $\dashv$                | -        | 128<br>129                              |          | Н        | $\dashv$        | ┪         | $\dashv$     | ᅱ         | -               | +              | ┥         |   |   |   |
|     |   |              | 30               | Ħ          | 口          | $\Box$    | #        | 丰        | #     | 1                  | 口         |                        | 8        | 0          | 7                       | 7          | 1         | Ŧ      | 1     | Г        | 口         | $\exists$               |          | 130<br>131                              | L        | П        | $\dashv$        | $\exists$ | $\Box$       |           | $\Box$          | $\blacksquare$ | 7         |   |   |   |
|     |   | -            | 31               | $\vdash$   | Н          | $\dashv$  | +        | +        | +     | +                  | H         | $\vdash$               | 8        |            | +                       | $\pm$      | 士         | $\pm$  | 士     | $\vdash$ | H         |                         |          | 132                                     |          |          |                 |           |              | $\exists$ |                 | 士              | $\exists$ |   |   |   |
|     |   |              | 33               | П          |            | $\dashv$  | #        | 7        | #     | 1                  | $\Box$    |                        | 8        |            | 7                       | 7          | Ŧ         | Ŧ      | 1     | F        | П         | $\exists$               |          | 133<br>134                              |          | П        | $\Box$          | 4         | $\dashv$     | $\exists$ | $\dashv$        | $\dashv$       | 4         |   |   |   |
| ٠,٠ |   | <del> </del> | 34<br>35         | H          | H          | +         | _        | +        | ╁     |                    | $\exists$ |                        | 8        |            | 士                       | 士          | 士         | $\pm$  | $\pm$ | Ė        |           | $\exists$               |          | 135                                     | T        | H        | $\Box$          |           |              |           |                 | $\pm$          | $\exists$ |   |   |   |
|     |   |              | 36               |            | П          |           | 7        | 7        | Ŧ     | T                  | $\Box$    |                        | 8        | _          | 7                       | 7          | 7         | F      | F     | F        | П         | $\exists$               |          | 136<br>137                              |          |          | $\dashv$        | -         | $\dashv$     | $\exists$ | $\dashv$        | $\dashv$       | -         |   | _ |   |
| ij: | © | - 274        | 37<br>38         |            |            |           | _†       | $\pm$    | 士     | $\pm$              | $\pm 1$   |                        | 8        | 8          |                         | -          | 土         | 士      | $\pm$ | 上        |           | ゴ                       |          | 138                                     |          |          | $\exists$       |           |              |           |                 |                |           |   | • |   |
|     |   | 匚            | 39               | $\vdash$   | П          | $\Box$    | 7        | 4        | Ŧ     | F                  | H         |                        | 8        |            | $\blacksquare$          | 4          | $\mp$     | Ŧ      | F     | F        | $\dashv$  | -                       | <u> </u> | 139<br>140                              |          | Н        | $\vdash \vdash$ | -         | $\vdash$     | $\dashv$  | $\vdash \dashv$ | $\dashv$       | $\dashv$  |   |   |   |
|     |   |              | 40<br>41         | $\vdash$   |            | $\exists$ | 士        | 士        | $\pm$ | 土                  |           |                        | 9        | 1          | 士                       | 士          | 士         | 土      | 1     | 上        | 口         | コ                       |          | 141                                     |          |          | 口               |           | $\Box$       |           | Ħ               |                | ゴ         |   |   |   |
|     |   |              | 42               | -          | H          | $\dashv$  | $\dashv$ | $\dashv$ | $\mp$ | Ŧ                  | H         |                        |          | 2          | $\dashv$                | +          | +         | +      | +     | $\vdash$ | $\vdash$  |                         | -        | 142                                     |          | Н        | $\vdash$        | $\dashv$  | $\dashv$     | -         | $\vdash \vdash$ | +              | $\dashv$  |   |   |   |
|     |   |              | 44               |            | H          |           | 士        | $\pm$    | 士     | 士                  | $\Box$    |                        | 9        | 4          | $\perp$                 | #          | #         | 1      | 丰     |          | 口         | $\exists$               |          | 144                                     |          |          | H               |           | 口            |           | 口               | $\exists$      | コ         |   |   |   |
|     |   |              | 45<br>46         | F          | H          | $\dashv$  | $\dashv$ | +        | +     | +                  | H         | -                      | 9        |            | +                       | +          | +         | +      | ╀     | +        | Н         | $\dashv$                | $\vdash$ | 145<br>146                              |          | Н        | H               | -         | Н            | 4         | $\vdash \vdash$ | $\dashv$       | ᅱ         |   |   |   |
|     |   |              | 47               |            | Ħ          | 士         | $\pm$    | 士        | #     | #                  | $ \Box$   |                        | 9        | 7          | 士                       | #          | #         | #      | #     | T        | Ħ         | コ                       |          | 147                                     |          | П        |                 |           | 口            |           | 口               |                | $\exists$ |   |   |   |
|     |   |              | 48<br>49         | $\vdash$   | Н          | $\dashv$  | +        | +        | +     | ╁                  | +         | -                      |          | 8<br>9     | +                       | +          | +         | +      | ╁     | ╁        | Н         | $\dashv$                | $\vdash$ | 148                                     |          | $\vdash$ | H               | -         | $oxed{H}$    | -         | Н               | ╁              | $\dashv$  |   |   |   |
|     |   |              | 50               |            |            |           | 士        | 土        | 土     | I                  |           |                        |          | <u></u>    | 工                       | 1          | 1         | 上      | 1     | 1_       |           |                         |          | 150                                     |          |          |                 |           |              |           |                 |                |           |   |   |   |

AN ⊕ ®